

584 Rec'd PCT/PTC 19 JUN 2000

SEQUENCE LISTING

<110> CRC for Diagnostic Technologies

5 <120> Bifunctional molecules

<130> 91434

<140>

10 <141>

<160> 4

<170> PatentIn Ver. 2.1

15

SEQ ID NO: 1

<211> 203

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Artificial sequence comprising sequence from Staphylococcal protein A fused to a sequence from human immunoglobulin

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<400> 3

Met Lys Tyr Leu Leu Pro Thr Ala Ala Gly Leu Leu Leu Ala
1 5 10 15

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Ala Gln Pro Ala Met Ala Ala Asp Asn Lys Phe Asn Lys Glu Gln Gln
20 25 30

35

Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu Asn Glu Glu Gln
35 40 45Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala
50 55 60

40

Asn Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
65 70 75 80Ser Asp Pro Ala Ala Ala Asp Gln Asp Thr Ala Ile Arg Val Phe Ala
85 90 95

45

Ile Pro Pro Ser Phe Ala Ser Ile Phe Leu Thr Lys Ser Thr Lys Leu
100 105 110

50

Thr Cys Leu Val Thr Asp Leu Thr Thr Tyr Asp Ser Val Thr Ile Ser
115 120 125Trp Thr Arg Gln Asn Gly Glu Ala Val Lys Thr His Thr Asn Ile Ser
130 135 140

55

Glu Ser His Pro Asn Ala Thr Phe Ser Ala Val Gly Glu Ala Ser Ile
145 150 155 160Cys Glu Asp Asp Trp Asn Ser Gly Glu Arg Phe Thr Cys Thr Val Thr
165 170 175

60

His Thr Asp Leu Pro Ser Pro Leu Lys Gln Thr Ile Ser Arg Pro Lys
180 185 190

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Gly Ala Ala Asp Tyr Lys Asp Asp Asp Lys
195 200

SEQ ID NO: 2

<211> 672

<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Artificial
sequence comprising sequence from Staphylococcal
protein A fused to a sequence from human
immunoglobulin

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<400> 4

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atggccgcgg ataacaaatt caacaaagaa caacaaaatg ctttctatga aatctttacat 120
15 ttacctaaact taaacgaaga acaacgcaat ggtttcatcc aaagcctaaa agatgaccca 180
agccaaagcg ctaacctttt agcagaagct aaaaagctaa atgatgctca agcaccaaaa 240
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tttgccagca tcttcctcac caagtccacc aagttgacct gcctgggtcac agacctgacc 360
acctatgaca gcgtgaccat ctctgggacc cgccagaatg gcgaagctgt gaaaacccac 420
20 accaaccatct ccgagagcca cccaatgcc actttcagcg ccgtgggtga ggccagcatc 480
tgcgaggatg actggaactc cggggagagg ttcacgtgca ccgtgaccca cacagacctg 540
ccctcgccac tgaagcagac catctccggg cccaagggcg ccgcggtatta taaagatgat 600
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cgttttacaa cg 672

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SEQ ID NO: 3

<211> 270

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Artificial
sequence comprising sequence from S.avidini fused
to a sequence from human immunoglobulin

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40 Ala Gln Pro Ala Met Ala Glu Ala Gly Ile Thr Gly Thr Trp Tyr Asn
20 25 30
Gln Leu Gly Ser Thr Phe Ile Val Thr Ala Gly Ala Asp Gly Ala Leu
35 40 45
45 Thr Gly Thr Tyr Glu Ser Ala Val Gly Asn Ala Glu Ser Arg Tyr Val
50 55 60
50 Leu Thr Gly Arg Tyr Asp Ser Ala Pro Ala Thr Asp Gly Ser Gly Thr
65 70 75 80
Ala Leu Gly Trp Thr Val Ala Trp Lys Asn Asn Tyr Arg Asn Ala His
85 90 95
55 Ser Ala Thr Thr Trp Ser Gly Gln Tyr Val Gly Gly Ala Glu Ala Arg
100 105 110
Ile Asn Thr Gln Trp Leu Leu Thr Ser Gly Thr Thr Glu Ala Asn Ala
115 120 125
60 Trp Lys Ser Thr Leu Val Gly His Asp Thr Phe Thr Lys Val Lys Pro
130 135 140
65 Ser Ala Ala Ser Asp Pro Ala Ala Ala Asp Gln Asp Thr Ala Ile Arg
145 150 155 160
Val Phe Ala Ile Pro Pro Ser Phe Ala Ser Ile Phe Leu Thr Lys Ser
165 170 175

Thr Lys Leu Thr Cys Leu Val Thr Asp Leu Thr Thr Tyr Asp Ser Val
 180 185 190
 5 Thr Ile Ser Trp Thr Arg Gln Asn Gly Glu Ala Val Lys Thr His Thr
 195 200 205
 Asn Ile Ser Glu Ser His Pro Asn Ala Thr Phe Ser Ala Val Gly Glu
 210 215 220
 10 Ala Ser Ile Cys Glu Asp Asp Trp Asn Ser Gly Glu Arg Phe Thr Cys
 225 230 235 240
 Thr Val Thr His Thr Asp Leu Pro Ser Pro Leu Lys Gln Thr Ile Ser
 245 250 255
 15 Arg Pro Lys Gly Ala Ala Asp Tyr Lys Asp Asp Asp Asp Lys
 260 265 270
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 SEQ ID NO: 4
 <211> 864
 <212> DNA
 <213> Artificial Sequence
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 <223> Description of Artificial Sequence: Artificial
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 to a sequence from human immunoglobulin
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 accgcgggcg ccgacggcgc cctgaccgga acctacgagt cggccgtcgg caacgccgag 180
 35 agccgctacg tcctgaccgg tcgttacgac agcgccccgg ccaccgacgg cagcggcacc 240
 gccctcgggtt ggacgggtggc ctggaagaat aactaccgca acgcccactc cgcgaccacg 300
 tggagcggcc agtacgtcgg cggcgccgag gcgaggatca acacccagtg gctgctgacc 360
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 aaggtgaagc cgtccgccc tagcgatccc gcggccgcag atcaagacac agccatccgg 480
 40 gtcttcgcca tcccccatc ctttgccagc atcttctc ccaagtccac caagttgacc 540
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 ggcgaagctg tgaaaaccca caccaacatc tccgagagcc accccaatgc cactttcagc 660
 gccgtgggtg aggccagcat ctgcgaggat gactggaact ccggggagag gttcacgtgc 720
 accgtgaccc acacagacct gccctcgcca ctgaagcaga ccatctcccg gcccaagggc 780
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 tttttttaat tcactggccg tcgt 864

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